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## Patent Record View

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THOMSON Innovation

Patent/Publication: TW4041368 Process method preceding the image compression and the device itself

## Bibliographic

## English Title

Process method preceding the image compression and the device itself

## Assignee

Standardized: IND TECH RES INST

## Inventor

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## Publication Date (Kind Code)

2000-09-01 (B)

## Application Number / Date

TW1999112042A / 1999-04-14

## Priority Number / Date / Country

TW1999112042A / 1999-04-14 / TW

## Abstract

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The invention is a process method preceding the image compression and the device itself. It uses Just-Noticeable-Distortion (JND) technique to take account of the most notable between Contrast masking and Spatial masking effects to acquire a JND function value. It adjusts the brightness value of each pixel in the spatial domain towards the averages of the image block brightness, and the adjustment is under the JND function value of the pixel. The bit stream length is effectively shortened after the image compression by using the masking effects of human visual system. It reduces the perception redundancy related to the contrast masking effect without affecting the image quality to make the pixel brightness after the adjustment concentrated to the brightness average, so that the high frequency part of the image is deleted and the bit number required for image compression/decoding is reduced.

## Classes/Indexing

## IPC

IPC Code(1-7) H04N 7/24

(7)

Current IPC-R	Invention	Version	Additional	Version
Advanced	H04N 7/24	20060101	-	-
Core	H04N 7/24	20060101	-	-
Subclass	-	-	-	-

## Legal Status

## INPADOC Legal Status

Gazette Date	Code	Description
2001-02-19	GD4A +	ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT

Get Family Legal Status

## Family

## Family



Expand INPADOC Family (4)

## Claims


No Claims exist for this Record

## Description


### Background/ Summary

 Expand Background/Summary

### Drawing Description

 Expand Drawing Description

### Description

 Expand Description

## Citations

### Citations

Citing Patents (0)

Cited Patents (0)

Cited Non-patents (0)

## Other

No Other exists for this Record

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